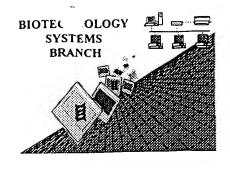
## RAW SEQUENCE LISTING ERROR REPORT





The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:  $\frac{\partial 9/910}{\partial 186}$ Source:  $\frac{\partial FE}{\partial 8/6/200/}$ 

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: <a href="mailto:patin21help@uspto.gov">patin21help@uspto.gov</a> or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: <a href="patin3help@uspto.gov">patin3help@uspto.gov</a> or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

## Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker

DATE: 08/06/2001

TIME: 15:39:04

OIPE

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 9 <140> CURRENT APPLICATION NUMBER: US/09/910,186
                                                                  Does Not Comply
 9 <141> CURRENT FILING DATE: 2001-07-20
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57 Ile Ile Asn Thr Ser Ile Leu Asn Leu Arg Tyr Glu Ser Asn His Leu
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60 atc gac ctg tct cgc tac gct tcc aaa atc aac atc ggt tct aaa gtt
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64 aac ttc gat ccg atc gac aag aat cag atc cag ctg ttc aat ctg gaa
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65 Asn Phe Asp Pro Ile Asp Lys Asn Gln Ile Gln Leu Phe Asn Leu Glu
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68 tot too aaa ato gaa gtt ato otg aag aat got ato gta tao aac tot
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/910,186

The types of errors shown exist throughout the Sequence Listing. Please check file://C:\C subsequent sequences for similar errors.

RAW SEQUENCE LISTING DATE: 08/06/2001 PATENT APPLICATION: US/09/910,186 TIME: 15:39:04

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74		_	80					85		•			90		•	•	
76	ttc	aac	tcc	atc	tct	ctg	aac	aat	qaa	tac	acc	atc	atc	aac	tqc	atq	339
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78		95					100			-		105					
80	gaa	aac	aat	tct	ggt	tgg	aaa	qta	tct	ctq	aac	tac	ggt	gaa	atc	atc	387
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	110				-	115	-				120	-	_			125	
84	tgg	act	ctq	caq	qac	act	cag	gaa	atc	aaa	cag	cgt	gtt	qta	ttc	aaa	435
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86	-				130				•	135		_			140	-	
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	Tyr								-				-				
90	•			145					150	-			_	155			
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96	ggc	cgt	ctq	atc	gac	caq	aaa	ccq	atc	tcc	aat	ctq	ggt	aac	atc	cac	579
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98	-	175			•		180					185	-				
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	190					195		_		-	200	_	_	-		205	
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106	_	-		_	210	_	_			215		_	_		220		
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109	Glu	Lys	Glu	ılle	Lys	Asp	Leu	Tyr	Asp	Asn	Gln	Ser	Asn	Ser	Gly	, Ile	
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									taa	gaat							1332
		Gly	Trp	Gly	Glu	Arg	Pro	Leu	*						1		•
	430					435								اعد	<i>1</i> 1 /		
		0> SI										,	28,00	WP.			
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			YPE:		C 4	- h - + -				6	WAPPY						
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RAW SEQUENCE LISTING DATE: 08/06/2001 PATENT APPLICATION: US/09/910,186 TIME: 15:39:04

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200 Trp Ile Lys Tyr Phe Asn Leu Phe Asp Lys Glu Leu Asn Glu Lys Glu
201
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202 Ile Lys Asp Leu Tyr Asp Asn Gln Ser Asn Ser Gly Ile Leu Lys Asp
203 225
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204 Phe Trp Gly Asp Tyr Leu Gln Tyr Asp Lys Pro Tyr Tyr Met Leu Asn
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206 Leu Tyr Asp Pro Asn Lys Tyr Val Asp Val Asn Asn Val Gly Ile Arg
207
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208 Gly Tyr Met Tyr Leu Lys Gly Pro Arg Gly Ser Val Met Thr Thr Asn
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                                                     285
210 Ile Tyr Leu Asn Ser Ser Leu Tyr Arg Gly Thr Lys Phe Ile Ile Lys
211
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212 Lys Tyr Ala Ser Gly Asn Lys Asp Asn Ile Val Arg Asn Asn Asp Arg
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214 Val Tyr Ile Asn Val Val Lys Asn Lys Glu Tyr Arg Leu Ala Thr
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216 Asn Ala Ser Gln Ala Gly Val Glu Lys Ile Leu Ser Ala Leu Glu Ile
217
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218 Pro Asp Val Gly Asn Leu Ser Gln Val Val Wat Lys Ser Lys Asn
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220 Asp Gln Gly Ile Thr Asn Lys Cys Lys Met Asn Leu Gln Asp Asn Asn
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222 Gly Asn Asp Ile Gly Phe Ile Gly Phe His Gln Phe Asn Asn Ile Ala
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                                             395
224 Lys Leu Val Ala Ser Asn Trp Tyr Asn Arg Gln Ile Glu Arg Ser Ser
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226 Arg Thr Leu Gly Cys Ser Trp Glu Phe Ile Pro Val Asp Asp Gly Trp
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228 Gly Glu Arg Pro Leu
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234 <212> TYPE: DNA
235 <213> ORGANISM: Synthetic Construct
237 <220> FEATURE:
240 <221> NAME/KEY: CDS
241 <222> LOCATION: (13)...(1314)
242 <223> OTHER INFORMATION: Synthetic Construct
244 <400> SEQUENCE: 3
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246
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247
249 acc tcc atc ctg aac ctg cgc tac gaa tcc aat cac ctg atc gac ctg
250 Thr Ser Ile Leu Asn Leu Arg Tyr Glu Ser Asn His Leu Ile Asp Leu
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RAW SEQUENCE LISTING DATE: 08/06/2001 PATENT APPLICATION: US/09/910,186

TIME: 15:39:04

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Output Set: N:\CRF3\08062001\1910186.raw

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		Arg	Tyr	Ala	Ser	Lys	Ile	Asn	Ile	Gly		Lys	Val	Asn	Phe	_	
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	_		_	_		cag		_	_			_	_				195
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259					50					55					60		
						aag											243.
262	Ile	Glu	Val	Ile	Leu	Lys	Asn	Ala	Ile	Val	Tyr	Asn	Ser	Met	Tyr	Glu	
263				65					70					75			
265	aac	ttc	tcc	acc	tcc	ttc	tgg	atc	cgt	atc	ccg	aaa	tac	ttc	aac	tcc	291
266	Asn	Phe	Ser	Thr	Ser	Phe	Trp	Ile	Arg	Ile	Pro	Lys	Tyr	Phe	Asn	Ser	
267			80					85					90				
269	atc	tct	ctg	aac	aat	gaa	tac	acc	atc	atc	aac	tgc	atg	gaa	aac	aat	339
270	Ile	Ser	Leu	Asn	Asn	Glu	Tyr	Thr	Ile	Ile	Asn	Cys	Met	Glu	Asn	Asn	
271		95					100					105					
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274	Ser	Gly	Trp	Lys	Val	Ser	Leu	Asn	Tyr	Gly	Glu	Ile	Ile	Trp	Thr	Leu	
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			-			Leu	_		_	_	-			_			,
295					-1-	195		1	-1-	,	200				-1-	205	
		atc	aaa	tac	ttc	aat	cta	ttc	σac	aaa		ct.a	aac	αаа	aaa		675
						Asn	_		_		-	_		_		_	• • •
299	r		-1-	- 1 -	210					215				014	220	O_Lu	
	atc	aaa	gac	ct.a		gac	aac	cag	tee		t.ct.	aat.	atc	cta		gac	723
						Asp											, 23
303		-1-		225	-1-				230			1		235	-10		
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						Lys											017
311	u	255	-12P		.1.011	פעה	260	, uı	5P	, uı	2011	265	* u I	O-Y	116	13 I G	
	aa+		atσ	tac	cta	aaa		CCG	cat	aa+	tet		ata	act	200	220	867
						Lys											007
315		- Y -	4446	- 1 -	шeu	275	G T Y	210	ary	GIY	280	v u I	MEL	TIIT	TIIT	285	
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VERIFICATION SUMMARY

DATE: 08/06/2001

PATENT APPLICATION: US/09/910,186

TIME: 15:39:05

Input Set : A:\A33626Aseqlist.txt

Output Set: N:\CRF3\08062001\I910186.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date